

### **1-03-2011 Canterbury Rd Hg Spill**

**1000 Hours:** START Kane contacted by Weston's Dan Capone concerning residential mercury spill at [Non-Response] Canterbury Road.

**1340 Hour:** START Kane arrives to site, and while on route, Proceeded to warm up Lumex for recommended 20 minutes. Calibration of Weston Lumex RFW 25827; Lumex: Deviation (R%) = 7 after application of test command. START Kane receives phone call from OSC Lippert instructing breathing zone monitoring only throughout the house, record results, and then contacts OSC.

**1410 Hours:** Mercury air monitoring results in main room where mercury was spilled averaged 1500ng/m<sup>3</sup>; Kitchen 1000ng/m<sup>3</sup>; bedrooms 900ng/m<sup>3</sup>. START Kane discusses readings with OSC Lippert who advises that home owner should continue to heat and vent the house. But, due to private insulation contractors in the process of injecting foam within cavities of house, homeowner does not want to vent house at the present time while foam is 'curing'. Homeowner stated she will heat and vent tomorrow morning and aft, and that she does not have to work tomorrow and will coordinate with START for return screening at 1500 hours on 1-04-11. Both OSC Lippert and Weston's Dan Capone notified.

**1440 Hours:** START Kane off-site

### **1-04-11 Canterbury Rd Hg Spill**

**1230 Hours** – Contacted Resident at [Non-Response] Canterbury (P.V. (734) 904-4004) left voice mail message with contact info. START enquired on confirmation of resident that she had the opportunity to heat and vent residence and that she would be at the residence at 1500 Hours (Google maps = 41 minutes 30.6 miles from START home residence)

1445 Hours – Received phone call from resident at [Non-Response] Canterbury that she would be home at 1500 hours, but due to the fact that it would take START close to an hour to reach her residence that timeframe would not work for her, nor a later time in the evening. START Kane set another appt for 1500 hours on 1-05-11.

1538 Hours – Both OSC Lippert and Dan Capone notified of conversation

### **1-05-11 Canterbury Rd Hg Spill**

**1140 Hours** – START Kane leaves voice mail message for resident at [Non-Response] Canterbury Road ([Non-Responsive] to confirm her presence at 1500 Hours. START via e-mail notifies OSC Lippert and Weston's Dan Capone.

**1400 Hours** – START Kane leaves for site and proceeds to warm up Lumex for recommended 20 min prior to measurements (1440 Hours)

**1500 Hours** – START Kane to conduct test command for Weston Lumex RFW 25827 to obtain Deviation (R%) of the three measured mercury vapor concentrations from the average value (in percent)  $R\% = 5$

**1505 Hours** – START Kane conducts breathing zone readings in main room with an average of 1200 ng/m<sup>3</sup>. Above floor vent where spilled occurred in general area 2500 ng/m<sup>3</sup>, homeowner has stated that she has vented and heated house 4 times. Second round of readings conducted by START in breathing zone: Above floor vent averaged 1600 ng/m<sup>3</sup>, and average in main room 1200 ng/m<sup>3</sup> with readings as low as 600 ng/m<sup>3</sup> (lowest reading).

**1550 Hours** - START Kane leaves Message for OSC Lippert and Weston's Dan Capone summarizing mercury vapor readings.

**1640 Hours** - START Kane returns home

Approx 1730 Hours – START Kane notified by OSC Lippert that ERRS will be on-site tomorrow to conduct heat and vent cycles in an attempt to remediate 'lingering' vapors

### **1-06-11 Canterbury Rd Hg Spill**

**0710 Hours** – START Kane arrives at site and meets with ERRS crew (ER Environmental Restoration)

**0730 Hours** – START calibrates Weston Lumex RFW 25827 ( $R\% = 10$ )

**0740 Hours** – Initial readings prior to heating with propane torpedo heaters; main room = average of 1600 ng/m<sup>3</sup> (note entertainment center moved away from vent and according to ERRS had mercury beads within it during initial cleanup activities). Readings behind center averaged 3000 ng/m<sup>3</sup>. Readings within entertainment center near VCR (on left inside) near 6000ng/m<sup>3</sup>. Right inside of entertainment center 3000 ng/m<sup>3</sup>.

**0750 Hours** – ERRS begin Heat process with one torpedo heater in kitchen, and one in main room

**0900 Hours** – Heating process continues

**0920 Hours** – Lumex readings in Breathing zone in main room (merc spill area) averaging 500-600 ng/m<sup>3</sup>. Floor level at vent (resident furnace on) 2000ng/m<sup>3</sup> Left inside of entertainment center 1000ng/m<sup>3</sup> and ERRS has turned off heaters and will put vent fans in windows to vent vapors from inside of house. ERRS also will change out furnace filter at residence

**1000 Hours** – Breathin zone levels around merc spill area fluctuating around 1200 ng/m<sup>3</sup>

**1030 Hours** - ERRS begin heating cycle again due to elevated levels (Note back of picture frame that was initially behind entertainment center reading of 22,000 ng.m3)

**1130 – 1230 Hours** – Heating main room and kitchen

**1300 Hours** – After ventilation procedures, close windows allow normal ambient temperatures to come down to approx 70F. Measurements still fluctuating between 1000-1400 ng/m3. ERRS moves entertainment center outside (spill happened on top and down back of center and picture frame was in back of center. Picture frame removed to outside residents shed. Measurements throughout main room still fluctuating between 1200 and 1400 ng/m3 (breathing zone)

**1330 hours** – ERRS remove suspect piece of carpeting in ‘bottleneck’ walkway which exhibited elevated mercury vapor readings 1500 – 2500 ng/m3 (floor readings) and may be contributing to elevated breathing zone levels. Breathing zone levels in main room averaging 1000 to 1400 ng.m3.

**1335 Hours** – ERRS begin another heat/vent cycle

**1430 Hours** – START conducts readings within vent (1” to 2” within) and readings are highly elevated averaging between 15 and 20,000 ng.m3. Sporadic high readings in general area above floor vent due to potential residual ‘micor-beads’ that may still be present within duct and causing ambient breathing zone readings above 1000 ng/m3

**1500 Hours** – Conference call with OSC Lippert and ERRS to confirm a scope of work plan for 1-07-11 to utilize a mercury vacuum again within vent, remove carpeting in main room, and use an epoxy like medium to seal bottom of duct within floor vent. Homeowner also notified of activities and has agreed to allow ERRS and START to conduct necessary remedial activities starting the morning of 1-07-10.

## Non-Responsive

1630 Hours – START Kane informs Dan Capone of scheduled scope of work activities